

Page 1 of 1

All amounts are calculated in domestic currency.

[illegible]

MILL-TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 1 page (Page# 1)

Customer: SAMQUE PO#:C72568 SO#:LNAH68

MTR#:NOCL0233-3.GIF

Item:.032485052H32 Bundle:4D1157B01 Heat#:4D1157B01

D017414

393 Budu-ro,
Nam-gu Ulsan,
South Korea

NOCL0233-3

CERTIFICATE OF ANALYSIS

Sold To TA CHEN INTERNATIONAL INC
5855 OBISPO AVE
LONG BEACH CA 908053715Shipped To TA CHEN INTERNATIONAL INC -1.
321 DULTY'S LANE,
BURLINGTON NJ 08016-2138

		Imperial	UOM	Metric	UOM
Batch Number	4D1157B01	Ordered as Gauge	Inch	0.000 mm	
Novelis Sales Order	0000022825	Make as Gauge	0.0315	Inch	0.800 mm
Novelis Product Number	000000003000008299	Ordered Width	48.0000	Inch	1219.00 mm
Customer purchase Order	L47872	Ordered As Alloy	5052	Avg Gauge	
Customer Part Number		Ordered Temper	H32		
Handling Unit	4D1157B01	Coil Net Weight	7.670	LBs	3,479 KGs
Bill Of Lading Number	129160-2	Cashing Date		Melt Country	
		Hot Roll Country	South Korea	Cold Roll Country	South Korea

Customer Specifications

Country of Mfg is South Korea. All alloy products manufactured in Novelis Korea comply with the following industry specifications, ASTM B209-10, AMS QQA 250-88, and AMS-SAE 4016L/M

Lab Location	Test Performed	Result	UOM
South Korea	Outer Diameter Actual	1282	mm
South Korea	Ultimate Actual	227.48	MPa
South Korea	Yield Actual	0	MPa
South Korea	Elongation Actual	9.14	%
South Korea	Each Actual	0	
South Korea	Total Actual	0.048	

Single Alloy or Clad Core Metal Chemistry

Cr : 0.175% Cu : 0.007% Fe : 0.27% Mn : 0.03% Mg : 2.318% Si : 0.128% Ti : 0.00% Zn : 0.003%

Other Characteristic(s)

Comments

Statement Of Compliance

I certify that the materials detailed herein have been tested and found to be in compliance with the appropriate specifications.

This Certificate was created Electronically and is valid without Signature

1/19/2015

Date of Issue

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 5052H32S.032

PO / BATCH NO.: P032633 / M135016

DATE: 11-06-16

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .032

QUANTITY RECEIVED: 123

THICKNESS RECEIVED: .030

QUANTITY INSPECTED: 123

SHEET SIZE ORDERED: 483

QUANTITY REJECTED: 9

SHEET SIZE RECEIVED: 483

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	ASTM B209
CORRECT REF # TO LINK CERT	(Y)	N	47 # 401157801
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 9</u> DATE: <u>11-06-16</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32633

Purchase Order Date 6/7/2016

PO Print Date 6/7/2016

Page Number 1 of 2

Order From :
CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

Contact Name
Vendor Phone 800 667 4248

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

JUN 07 2016

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
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1	M5052H32S.032	5052-H32 .032 Sheet	6/10/2016 Yes 6/10/2016		128.00 sf	\$2.09	\$267.40
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MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$267.40

2	71401-45	procurement quality clauses	6/10/2016 No 6/10/2016		1.00	\$0.00	\$0.00
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Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

8/16-6-14

Line Total: \$0.00

Note:

6/7/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO32633**

Purchase Order Date 6/7/2016

PO Print Date 6/7/2016

Page Number 2 of 2

Order From :

VC-CAM002

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA – (Free Carrier)

PO Total: \$267.40

CL H

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 6/7/2016